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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/764,062	01/23/2004	Purva R. Rajkotia	2003.07.007.WS0	7604

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EXAMINER

LA, NICHOLAS T

ART UNIT PAPER NUMBER

2617

DATE MAILED: 12/18/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/764,062

Applicant(s)

RAJKOTIA ET AL.

Examiner

Nicholas T. La

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 January 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-25 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-25 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 January 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-5, 11-15, 21-25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kelly et al. (US Patent No. 6,822,973) and further in view of Jou (US Pat. No. 6,687,285).

Regarding **claims 1, 11, 21**, Kelly et al. teaches wireless network comprising a base station, said base stations capable of controlling the use of the reduced slot cycle mode by a mobile station communicating with said base station, wherein said base station comprises:

a reduced slot cycle controller capable of causing said base station to transmit a paging channel message to said mobile station, wherein said paging channel message comprises a first data field containing a first reduced slot cycle index (SCI) value to be used by a first selected mobile station (Figure 1, 3, 4, 5; col. 3, line 3 to 30; col. 5, line 8 to 35; col. 6, line 47 to col. 7, line 67). However, Kelly et al. does not expressly teach the network comprising plurality of base stations and plurality of mobile stations. In an analogous art, Jou teaches a network comprising plurality of base stations and plurality of mobile stations (Figure 2, col. 4, line 7 to 38). Therefore, it would have been obvious

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to one ordinary skill in the art at the time of the invention was made to modify Kelly et al. to include plurality of base stations and plurality of mobile stations in order to provide an improved method and system for paging cellular phone or other wireless terminal that reduces standby mode power consumption.

Regarding **claims 2, 3, 12, 13, 22, 23**, Jou further teaches wherein said paging channel message is a General Page message further comprises a second data field operable to select said first selected mobile station to use said first reduced SCI value (Figure 1, col. 1, line 34 to 67; col. 11, line 22 to 52).

Regarding **claims 4, 14, 24**, Jou further teaches wherein said General Page message comprises a plurality of page records, each of said page records associated with one of said plurality of mobile stations (table 1; col. 1, line 28 to 67, page records, i.e., page class, subclass, specific field; col. 11, line 22 to 52).

Regarding **claims 5, 15, 25**, Kelly further teaches wherein said second data field selects said first selected mobile station to use said first reduced SCI value by associating a first one of said page records with said first reduced SCI value (col. 6, line 47 to col. 7, line 22; col. 11, line 22 to 52; col. 11, line 33 to 52, BS 108 sends a message directed to MS 102, inherently knowing MS 102 identity and therefore the message is addressed to MS 102, and specifying a maximum reduced slotted timer valued).

Claims 6-10, 16-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kelly et al. (US Patent No. 6,822,973) in view of Jou (US Pat. No. 6,687,285) and further in view of Sinnarajah et al. (US Pub. No. 2005/0014519).

Regarding **claims 6, 16**, Kelly et al. and Jou teaches wherein said first data field contains a first reduced SCI valued to be used by a mobile station in a plurality of mobile stations (Kelly et al., Figure 3, 4, 5, col. 6, line 47 to col. 7, line 48). However, Kelly et al. and Jou does not expressly teach to be used by a group of mobile stations. In an analogous art, Sinnarajah et al. teaches method and apparatus for short slot cycle paging and further teaches the method to be used by a group of mobile stations (Figure 1, paragraph [0001], [0030]). Therefore, it would have been obvious to one ordinary skill in the art at the time of the invention was made to modify Kelly et al. and Jou to include to be used by a group of mobile stations such as taught by Sinnarajah in order to providing mechanisms to shorten paging cycles for paging a group of target mobile stations.

Regarding **claims 7-8, 17-18**, Jou further teaches wherein said paging channel message is a General Page message and further comprises a second data field operable to select said first selected group of mobile stations to use said first reduced SCI value (Figure 1, col. 1, line 34 to 67; col. 11, line 22 to 52).

Regarding **claims 9, 19**, Jou further teaches wherein said General Page message comprises a plurality of page records, each of said page records associated with one of said plurality of mobile stations (table 1; col. 1, line 28 to 67, page records, i.e., page class, subclass, specific field; col. 11, line 22 to 52; col. 11, line 33 to 52).

Regarding **claims 10, 20**, Jou further teaches wherein said second data field selects said first selected group of mobile stations to use said first reduced SCI value by associating each of said plurality of page records with said first reduced SCI value (col. 6, line 47 to col. 7, line 22; col. 11, line 22 to 52; col. 11, line 33 to 52, BS 108 sends a message directed to MS 102, inherently knowing MS 102 identity and therefore the message is addressed to MS 102, and specifying a maximum reduced slotted timer valued).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nicholas T. La whose telephone number is (571)-272-8075. The examiner can normally be reached on Mon-Fri 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lester Kincaid can be reached on (571)-272-7922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Nicholas La
11/30/2006



LESTER G. KINCAID
SUPERVISORY PRIMARY EXAMINER